



ARIZONA STATE
CLIMATE OFFICE

Arizona Climate Summary

Summary of conditions for October 2024

October 2024 Summary

This October ranked as the hottest October on record. Arizona's average statewide temperature was 67.9°F, which is 6.6°F above the 1895-2024 mean of 61.3°F. Several records were broken in many locations across the state, including Flagstaff (6 high maximum temperature records), Phoenix (16 high maximum temperature records and 11 high minimum temperature records), and Tucson (17 high maximum temperature records and 2 high minimum temperature records). In addition, the state received an average of 0.43 inches of precipitation, ranking as the 43rd driest October on record.

Much above average temperatures prevailed during the first two weeks of October due to a strong ridge of high pressure over the western United States. On October 1, Phoenix reached 113°F, which set a record for their all-time warmest October high temperature (previous record 107°F on 10/1/2020 and 10/2/1980) and marked the first time on record that a temperature of 110°F+ occurred in October. Other locations that set a record for their all-time warmest October high temperature that day include Tempe (112°F, previous record 108°F on 10/1/1980), Picacho (111°F, previous record 106°F on 10/1/2010), and Belmont (84°F, previous record 81°F on 10/2/2020, 10/3/2020, and 10/4/2020). During this period, high temperature records were consecutively broken, with Flagstaff breaking records from the 3rd-8th, Phoenix breaking records from the 1st-14th, and Tucson breaking records on the 1st and 3rd-13th.

Phoenix reached 110°F+ for the last time this year on October 7 (with a high temperature of 110°F), which was six weeks past the climatological normal date of August 26. This set a new record for the latest occurrence of a high temperature of 110°F+, with the previous date being September 19, 2010. This year, Phoenix measured 70 days of temperatures of 110°F+, which broke the previous record of 55 days set in 2023.

Flagstaff recorded a high temperature of 81°F on October 8, marking their last day of reaching 80°F+ this year. This was about three weeks past the climatological normal date of September 16. Flagstaff observed 103 days of temperatures of 80°F+ this year, which broke the previous record of 96 days set in 2020.

On October 9, Flagstaff received 0.02 inches of precipitation, while Betatakin and Window Rock received a trace of precipitation. On October 10, Bisbee-Douglas Airport received 0.06 inches of precipitation and San Simon received a trace of precipitation.

Tucson observed a high temperature of 101°F on October 13, which was their last day of reaching 100°F+ this year. This was 19 days past the climatological normal date of September 24. This year, Tucson recorded 112 days of temperatures of 100°F+, which broke the previous record of 108 days set in 2020.

A weak low pressure system brought isolated showers to portions of northern Arizona from October 14-17. Page received a trace of precipitation on the 14th, Bright Angel received 0.13 inches of precipitation from the 14th-15th, and Canyon de Chelly received 0.18 inches of precipitation from the 16th-17th.

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A strong cold front passed through Arizona on October 18, with its associated upper level low pressure system lingering over the state until October 20. This system brought colder temperatures and rain to some areas, while a few northern locations in higher elevations observed snow for the first time this season. Flagstaff received 1.79 inches of precipitation (0.7 inches of snow), Bright Angel received 1.23 inches of precipitation (7.0 inches of snow), Bellemont received 1.12 inches of precipitation (4.9 inches of snow), Betatakin received 1.50 inches of precipitation, Apache Junction received 0.73 inches of precipitation, East Mesa received 0.12 inches of precipitation, and San Manuel and Kingman each received 0.01 inches of precipitation. On October 18, dime-sized hail (0.70 inches in diameter) was measured in Munds Park. Up to pea-sized hail (up to 0.25 inches in diameter) was also reported east-southeast of Bellemont, which accumulated to about 1-2 inches deep on the I-40, causing at least seven vehicles to slide off the road. Several accidents also occurred, and there were five injuries reported. Near zero visibility from blowing dust caused another accident on Sunland Gin Rd near Arizona City in Pinal County. Later that afternoon, a landspout tornado was observed near Kerley Valley, which is located southwest of Tuba City in Coconino County. In addition, the National Weather Service in Phoenix and Tucson issued their first Freeze Warnings of the season, which included southeast Gila County, the Upper Gila River Valley, and areas below 5000 feet in eastern Cochise County. These warnings were in effect on October 19 and October 20.

A ridge of high pressure over the western United States brought warmer temperatures from October 21-27. Locations that experienced record-breaking temperatures include Tucson (99°F on the 23rd, previous record 96°F in 2017), Show Low (79°F on the 24th, previous record 77°F in 2003), Willcox (93°F on the 25th, previous record 90°F in 1921 and 1915), Tempe (100°F on the 26th, previous record 97°F in 1965), and Anvil Ranch (96°F on the 27th, previous record 94°F in 2001). Phoenix reached 100°F for the last time this year on October 26, which is 3 weeks past the climatological normal date of October 5 and is one day short of the record for the latest 100°F+ occurrence (October 27, 2016). This year, Phoenix experienced 143 days of temperatures of 100°F+, which is just under the current record of 145 days set in 2020.

From October 28-29, a storm system brought rain to some locations, including Flagstaff (1.40 inches), Canyon de Chelly (0.64 inches), Bellemont (0.62 inches), Carefree (0.07 inches), and Scottsdale (0.02 inches). On October 29, the National Weather Service in Las Vegas issued the Northwest Plateau's first Freeze Warning of the season, which was in effect on October 30.

Many locations experienced their coldest temperatures of the month on October 31, including Flagstaff (20°F), San Simon (22°F, tying the record set in 2019), Prescott (30°F), Kingman (33°F), Robson Ranch (38°F), Tucson (45°F), and Phoenix (54°F).

Data are preliminary and are from NOAA/NCEI, the Northeast Regional Climate Center, the Southeast Regional Climate Center, and the National Weather Service Forecast Offices in Flagstaff, Phoenix, Tucson, and Las Vegas.

Note: Weather stations across the state have different reporting times. Official daily temperature and precipitation values are recorded at the airports from midnight to midnight, while statewide observations are taken at varying times throughout the day.

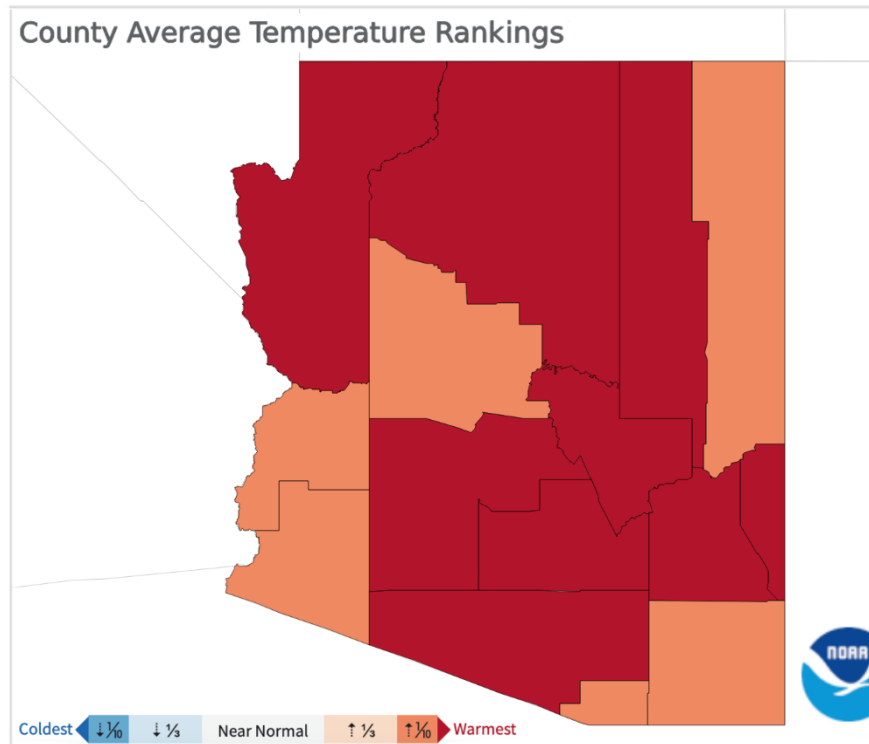
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Statewide Average, Maximum, Minimum Temperature and Total Precipitation, per County

October 2024



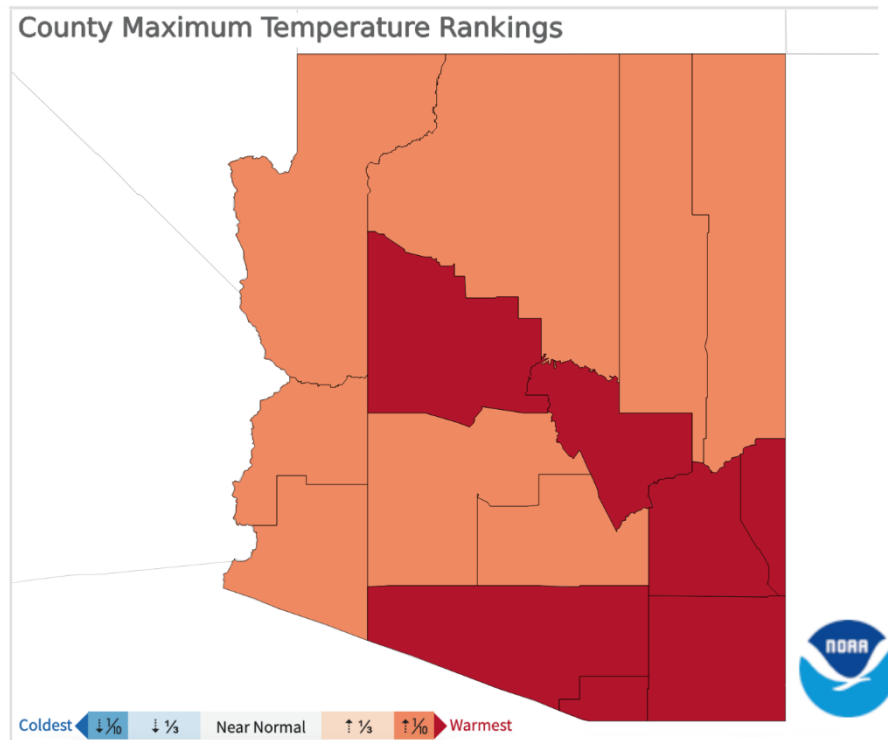
The average state temperature for October was 67.9°F, ranking as the hottest October within the period of record. The 1895-2024 mean average state temperature for October was 61.3°F, resulting in an anomaly of +6.6°F.

County	Average Temperature	Rank (130 Years)	Anomaly From the 1895-2024 mean
Apache	57.0°F	2 nd warmest	+5.5°F
Cochise	68.2°F	2 nd warmest	+6.0°F
Coconino	59.7°F	Warmest	+6.3°F
Gila	67.8°F	Warmest	+7.0°F
Graham	69.1°F	Warmest	+6.8°F
Greenlee	64.1°F	Warmest	+6.4°F
La Paz	79.2°F	2 nd warmest	+7.1°F
Maricopa	78.3°F	Warmest	+7.0°F
Mohave	70.6°F	Warmest	+7.3°F
Navajo	59.6°F	Warmest	+6.7°F
Pima	75.1°F	Warmest	+6.2°F
Pinal	77.1°F	Warmest	+7.2°F
Santa Cruz	68.4°F	2 nd warmest	+6.1°F
Yavapai	67.2°F	2 nd warmest	+6.9°F
Yuma	79.2°F	3 rd warmest	+6.1°F

Period of record: 1895-2024

Statewide Average, Maximum, Minimum Temperature and Total Precipitation, per County

October 2024



The average maximum state temperature for October was 84.0°F, ranking as the hottest October within the period of record. The 1895-2024 mean maximum state temperature for October was 75.9°F, resulting in an anomaly of +8.1°F.

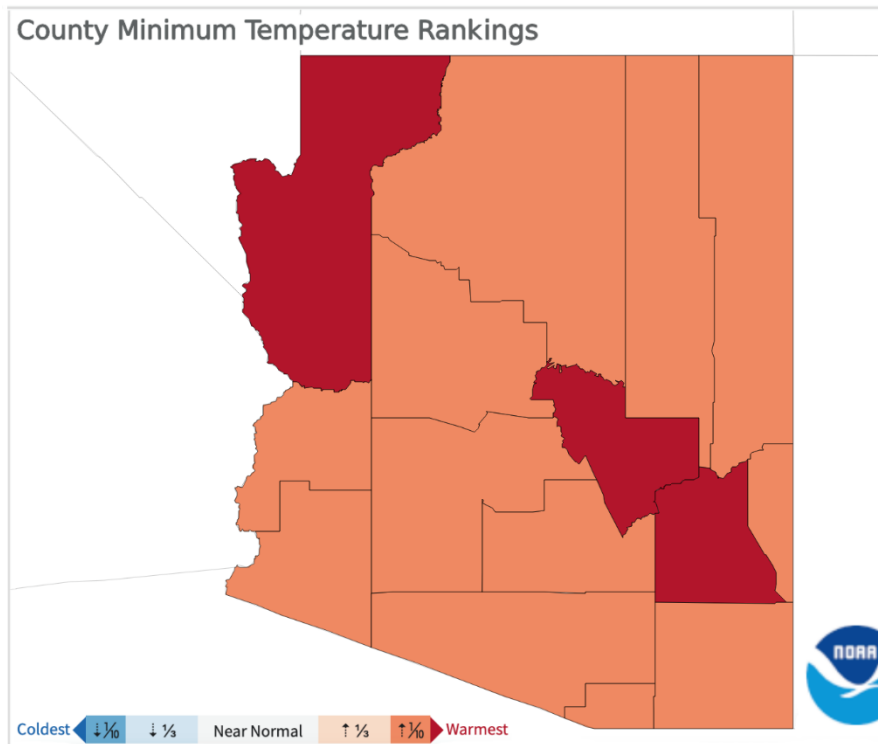
County	Maximum Temperature	Rank (130 Years)	Anomaly From the 1895-2024 mean
Apache	73.8°F	2 nd warmest	+7.2°F
Cochise	86.0°F	Warmest	+8.4°F
Coconino	76.2°F	3 rd warmest	+8.1°F
Gila	83.5°F	Warmest (tied with 1950)	+8.4°F
Graham	84.2°F	Warmest	+8.1°F
Greenlee	79.0°F	Warmest (tied with 2020, 1950)	+7.4°F
La Paz	94.2°F	3 rd warmest	+7.6°F
Maricopa	94.1°F	2 nd warmest	+8.3°F
Mohave	84.5°F	2 nd warmest	+7.9°F
Navajo	76.7°F	2 nd warmest	+8.7°F
Pima	92.7°F	Warmest (tied with 1952)	+8.7°F
Pinal	93.0°F	2 nd warmest	+8.7°F
Santa Cruz	86.2°F	Warmest	+8.6°F
Yavapai	83.4°F	Warmest (tied with 2020)	+8.1°F
Yuma	95.6°F	2 nd warmest	+7.4°F

Period of record: 1895-2024

Data are from the National Centers for Environmental Information and are preliminary.

Statewide Average, Maximum, Minimum Temperature and Total Precipitation, per County

October 2024



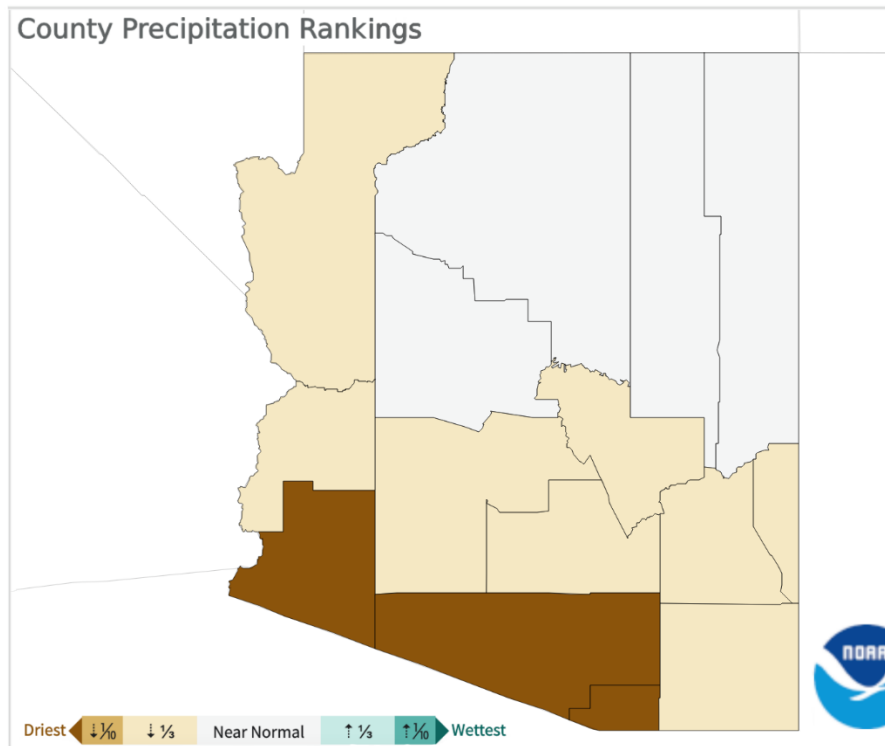
The average minimum state temperature for October was 51.7°F, ranking as the 3rd warmest October within the period of record. The 1895-2024 mean minimum state temperature for October was 46.7°F, resulting in an anomaly of +5.0°F.

County	Minimum Temperature	Rank (130 Years)	Anomaly From the 1895-2024 mean
Apache	40.1°F	8 th warmest	+3.7°F
Cochise	50.3°F	6 th warmest	+3.6°F
Coconino	43.2°F	4 th warmest	+4.5°F
Gila	52.0°F	Warmest	+5.4°F
Graham	53.9°F	Warmest	+5.5°F
Greenlee	49.1°F	2 nd warmest	+5.4°F
La Paz	64.2°F	2 nd warmest	+6.6°F
Maricopa	62.5°F	4 th warmest	+5.8°F
Mohave	56.6°F	Warmest	+6.6°F
Navajo	42.5°F	3 rd warmest	+4.8°F
Pima	57.6°F	10 th warmest	+3.9°F
Pinal	61.2°F	2 nd warmest	+5.7°F
Santa Cruz	50.5°F	7 th warmest	+3.6°F
Yavapai	50.9°F	2 nd warmest	+5.7°F
Yuma	62.9°F	10 th warmest	+4.8°F

Period of record: 1895-2024

Statewide Average, Maximum, Minimum Temperature and Total Precipitation, per County

October 2024



The average state precipitation for October was 0.43 inches, ranking as the 43rd driest October within the period of record. The 1895-2024 mean state precipitation for October was 0.87 inches, resulting in an anomaly of -0.44 inches.

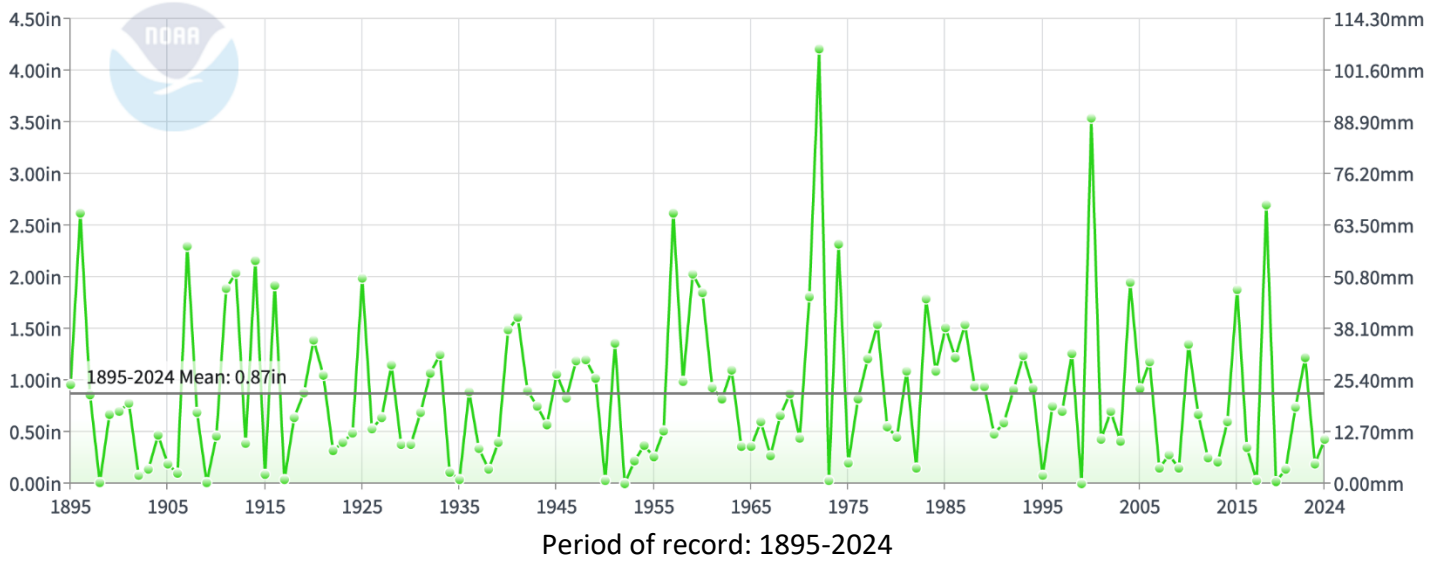
County	Precipitation	Rank (130 Years)	Anomaly From the 1895-2024 mean
Apache	1.01"	60 th wettest	-0.09"
Cochise	0.03"	14 th driest	-0.85"
Coconino	0.92"	54 th wettest	-0.06"
Gila	0.58"	40 th driest	-0.80"
Graham	0.11"	18 th driest	-0.93"
Greenlee	0.31"	27 th driest	-0.98"
La Paz	0.03"	31 st driest	-0.34"
Maricopa	0.11"	36 th driest	-0.47"
Mohave	0.16"	31 st driest	-0.57"
Navajo	0.70"	54 th driest	-0.32"
Pima	0.00"	Driest (tied with 1999 and 6 other years)	-0.71"
Pinal	0.04"	19 th driest	-0.69"
Santa Cruz	0.00"	Driest (tied with 2020 and 10 other years)	-0.95"
Yavapai	0.67"	59 th driest	-0.36"
Yuma	0.00"	Driest (tied with numerous years)	-0.33"

Period of record: 1895-2024

October Statewide Precipitation (1895 to date)

Arizona Precipitation

October



This chart shows average Arizona precipitation each October through the period of record (1895 to present). October 2024 ranked as the 43rd driest with an average of 0.43 inches, which is 0.44 inches below the 1895-2024 average of 0.87 inches.

Flagstaff Climate Statistics

October 2024

This ranked as the hottest October on record (9/10/1898 to present). With 3.21 inches of precipitation, it ranked as the 21st wettest October on record.

Avg Max Temp: 70.9°F Normal: 63.6°F
Avg Min Temp: 35.3°F Normal: 31.5°F
Avg Mean Temp: 53.1°F Normal: 47.6°F

Highest Monthly Avg Temp: 53.1°F in 2024
Lowest Monthly Avg Temp: 38.6°F in 1971

Highest Temp this month: 84°F on 1st, 3rd, 4th
Lowest Temp this month: 20°F on 31st

Record High: 85°F on 10/1/1980
Record Low: -2°F on 10/30/1971

Temperature or precipitation records this month:

HiMax: 84°F on 10/3/2024,
previous record 83°F on 10/3/1980

HiMax: 84°F on 10/4/2024,
previous record 83°F on 10/4/1947

HiMax: 82°F on 10/5/2024,
previous record 80°F on 10/5/2020 and 2 other years

HiMax: 81°F on 10/6/2024,
tying the record set on 10/6/1987

HiMax: 81°F on 10/7/2024,
previous record 80°F on 10/7/1965

HiMax: 81°F on 10/8/2024,
previous record 80°F on 10/8/1980 and 2 other years

Flagstaff Number of Days of:

Minimum Temp 32°F or lower	11
Minimum Temp 0°F or lower	0
Maximum Temp 90°F or higher	0
Maximum Temp 32°F or lower	0

Heating Degree Days: 362 Normal: 541
Cooling Degree Days: 0 Normal: 0
Degree base 65°F

Total October Precipitation: 3.21"
Normal October Precipitation: 1.52"
Departure from Normal: +1.69"
Greatest 24-Hr Precip: 1.47" from 18th - 19th

Total Precipitation Year-to-Date: 18.94"
Departure from Normal: +1.87"
Total Precip Year-to-Date (Last Year): 23.16"

Total October Snowfall: 0.7"
Normal: 1.5"
Record October Snowfall: 24.7" in 1971

Greatest October Precipitation: 9.86" in 1972
Least October Precipitation: 0.00" in 2017
and 8 other years

Number of Days:

Clear	25
Partly Cloudy	5
Cloudy	1

Average Wind Speed: 4.9 mph
Highest Peak Gust: 48 mph from 210° on 18th

Data are from NOAA, the Northeast Regional Climate Center, and the Southeast Regional Climate Center and are **preliminary**.

Normals on this page are from 1991-2020

OCTOBER 2024 FLAGSTAFF

AVERAGE DAILY TEMPERATURE

ABOVE

AVERAGE

BELOW

+/- 0.5°F

S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

*Data are from the National Weather Service office in Flagstaff and are preliminary.

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This month, Flagstaff recorded 25 days of above average temperatures and 6 days of below average temperatures.

Phoenix Climate Statistics

October 2024

This ranked as the hottest October on record (8/6/1895 to present). With 0.00 inches of precipitation, it tied as the driest October on record.

Avg Max Temp: 97.9°F Normal: 89.2°F
Avg Min Temp: 71.1°F Normal: 65.6°F
Avg Mean Temp: 84.5°F Normal: 77.4°F

Highest Monthly Avg Temp: 84.5°F in 2024
Lowest Monthly Avg Temp: 66.1°F in 1916

Highest Temp this month: 113°F on 1st, 6th
Lowest Temp this month: 54°F on 31st

Record High: 113°F on 10/1/2024, 10/6/2024
Record Low: 34°F on 10/30/1971

Temperature or precipitation records this month:
On next page

Phoenix Number of Days of:
Minimum Temp 32°F or lower 0
Minimum Temp 0°F or lower 0
Maximum Temp 90°F or higher 25
Maximum Temp 32°F or lower 0

Heating Degree Days: 0 Normal: 6
Cooling Degree Days: 613 Normal: 390
Degree base 65°F

Total October Precipitation: 0.00''
Normal October Precipitation: 0.56''
Departure from Normal: -0.56''

Total Precipitation Year-to-Date: 4.54''
Departure from Normal: -1.37''
Total Precip Year-to-Date (Last Year): 3.03''

Greatest October Precipitation: 5.35'' in 2018
Least October Precipitation: 0.00'' in 2024
and 28 other years

Number of Days:
Clear 23
Partly Cloudy 8
Cloudy 0

Average Wind Speed: 5.6 mph
Highest Peak Gust: 44 mph from 240° on 18th

Data are from NOAA and the Southeast Regional Climate Center and are **preliminary**.

Normals on this page are from 1991-2020

Phoenix temperature or precipitation records this month:

HiMax: 113°F on 10/1/2024,
previous record 107°F on 10/1/2020, 10/1/1980

HiMax: 108°F on 10/2/2024,
previous record 107°F on 10/2/1980

HiMax: 109°F on 10/3/2024,
previous record 105°F on 10/3/2020, 10/3/1988

HiMax: 108°F on 10/4/2024,
previous record 105°F on 10/4/2020

HiMax: 111°F on 10/5/2024,
previous record 105°F on 10/5/2020

HiMax: 113°F on 10/6/2024,
previous record 105°F on 10/6/1917

HiMax: 110°F on 10/7/2024,
previous record 104°F on 10/7/1991

HiMax: 108°F on 10/8/2024,
previous record 104°F on 10/8/1987

HiMax: 106°F on 10/9/2024,
previous record 103°F on 10/9/1996

HiMax: 107°F on 10/10/2024,
previous record 105°F on 10/10/1991

HiMax: 104°F on 10/11/2024,
previous record 102°F on 10/11/1991

HiMax: 104°F on 10/12/2024,
previous record 103°F on 10/12/1950

HiMax: 103°F on 10/13/2024,
previous record 101°F on 10/13/1989 and 2 other years

HiMax: 103°F on 10/14/2024,
previous record 100°F on 10/14/2020 and 3 other years

HiMax: 97°F on 10/25/2024,
previous record 96°F on 10/25/2014, 10/25/1990

HiMax: 100°F on 10/26/2024,
previous record 98°F on 10/26/2001

HiMin: 84°F on 10/1/2024,
previous record 82°F on 10/1/2011, 10/1/1987

HiMin: 86°F on 10/2/2024,
previous record 83°F on 10/2/1997

HiMin: 82°F on 10/3/2024,
previous record 81°F on 10/3/1987

HiMin: 81°F on 10/4/2024,
previous record 79°F on 10/4/2007

HiMin: 80°F on 10/5/2024,
tying the record set on 10/5/1993

HiMin: 80°F on 10/6/2024,
previous record 77°F on 10/6/1996

HiMin: 81°F on 10/8/2024,
previous record 79°F on 10/8/2023

HiMin: 79°F on 10/9/2024,
previous record 78°F on 10/9/2023

HiMin: 78°F on 10/10/2024,
previous record 76°F on 10/10/1934

HiMin: 78°F on 10/11/2024,
previous record 76°F on 10/11/1991, 10/11/1980

HiMin: 75°F on 10/13/2024,
previous record 75°F on 10/13/2015, 10/13/2003

Data are from NOAA and the Northeast Regional Climate Center and are **preliminary**.

OCTOBER 2024 PHOENIX

AVERAGE DAILY TEMPERATURE

ABOVE

AVERAGE

BELOW

+/- 0.5°F

S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

*Data are from the National Weather Service office in Phoenix and are preliminary.

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Phoenix measured 24 days of above average temperatures, 1 day of average temperatures, and 6 days of below average temperatures this month.

Tucson Climate Statistics

October 2024

This ranked as the hottest October on record (9/1/1894 to present). With 0.00 inches of precipitation, it tied as the driest October on record.

Avg Max Temp: 94.7°F Normal: 86.3°F
Avg Min Temp: 62.5°F Normal: 59.0°F
Avg Mean Temp: 78.6°F Normal: 72.6°F

Highest Monthly Avg Temp: 78.6°F in 2024
Lowest Monthly Avg Temp: 63.7°F in 1919

Highest Temp this month: 106°F on 4th
Lowest Temp this month: 45°F on 31st

Record High: 106°F on 10/4/2024
Record Low: 26°F on 10/30/1971

Temperature or precipitation records this month:
On next page

Tucson Number of Days of:

Minimum Temp 32°F or lower 0
Minimum Temp 0°F or lower 0
Maximum Temp 90°F or higher 23
Maximum Temp 32°F or lower 0

Heating Degree Days: 13 Normal: 18
Cooling Degree Days: 442 Normal: 256
Degree base 65°F

Total October Precipitation: 0.00''
Normal October Precipitation: 0.67''
Departure from Normal: -0.67''

Total Precipitation Year-to-Date: 11.09''
Departure from Normal: +2.00''
Total Precip Year-to-Date (Last Year): 8.46''

Greatest October Precipitation: 4.98'' in 2000, 1983
Least October Precipitation: 0.00'' in 2024
and 23 other years

Number of Days:

Clear 27
Partly Cloudy 0
Cloudy 4

Average Wind Speed: 6.8 mph
Highest Peak Gust: 43 mph from 230° on 18th

Data are from NOAA and the Southeast Regional Climate Center and are **preliminary**.

Normals on this page are from 1991-2020

Tucson temperature or precipitation records this month:

HiMax: 105°F on 10/1/2024,
previous record 103°F on 10/1/2020

HiMax: 103°F on 10/3/2024,
previous record 102°F on 10/3/1993

HiMax: 106°F on 10/4/2024,
previous record 102°F on 10/4/2020

HiMax: 105°F on 10/5/2024,
previous record 101°F on 10/5/2020, 10/5/1917

HiMax: 105°F on 10/6/2024,
previous record 101°F on 10/6/2023 and 4 other years

HiMax: 104°F on 10/7/2024,
previous record 101°F on 10/7/2020, 10/7/1987

HiMax: 103°F on 10/8/2024,
previous record 101°F on 10/8/1910

HiMax: 102°F on 10/9/2024,
previous record 100°F on 10/9/1996

HiMax: 101°F on 10/10/2024,
previous record 99°F on 10/10/1996

HiMax: 101°F on 10/11/2024,
previous record 99°F on 10/11/1950, 10/11/1936

HiMax: 101°F on 10/12/2024,
previous record 99°F on 10/12/1998, 10/12/1992

HiMax: 101°F on 10/13/2024,
previous record 99°F on 10/13/2020, 10/13/1998

HiMax: 96°F on 10/22/2024,
tying the record set on 10/22/2016

HiMax: 99°F on 10/23/2024,
previous record 96°F on 10/23/2017

HiMax: 97°F on 10/25/2024,
previous record 95°F on 10/25/2017, 10/25/2014

HiMax: 99°F on 10/26/2024,
previous record 96°F on 10/26/2001

HiMax: 98°F on 10/27/2024,
previous record 97°F on 10/27/2016

HiMin: 73°F on 10/1/2024,
previous record 72°F on 10/1/2011 and 2 other years

HiMin: 75°F on 10/2/2024,
previous record 74°F on 10/2/1997

Data are from NOAA and the Northeast Regional Climate Center and are **preliminary**.

OCTOBER 2024 TUCSON

AVERAGE DAILY TEMPERATURE

ABOVE

AVERAGE

BELOW

+/- 0.5°F

S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

*Data are from the National Weather Service office in Tucson and are preliminary.

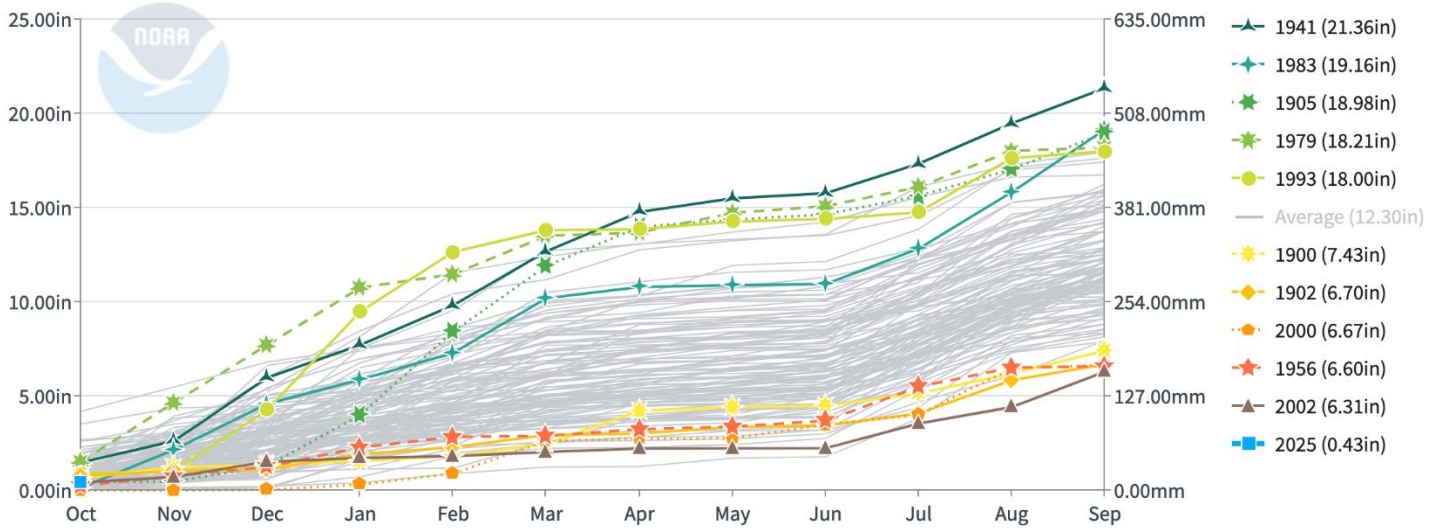
@AZStateClimate

Tucson experienced 24 days of above average temperatures and 7 days of below average temperatures this month.

Cumulative Statewide Precipitation per Water Year (Oct 2024-Sept 2025)

Arizona

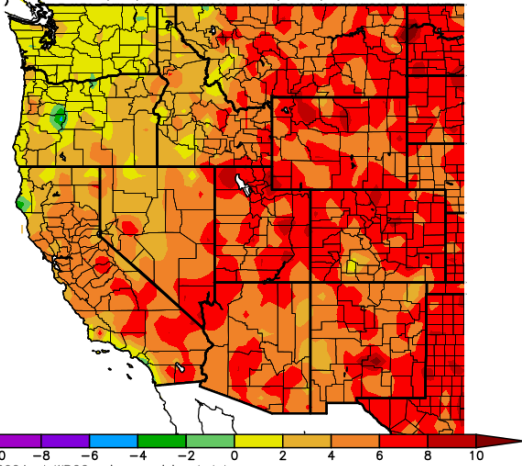
October-September Precipitation



The 5 wettest Water Years are shown with green lines, the 5 driest Water Years are shown with brown lines, and the current Water Year is the blue line. The average state cumulative Water Year precipitation was 0.43 inches at the end of October, which is 0.44 inches below the October average of 0.87 inches.

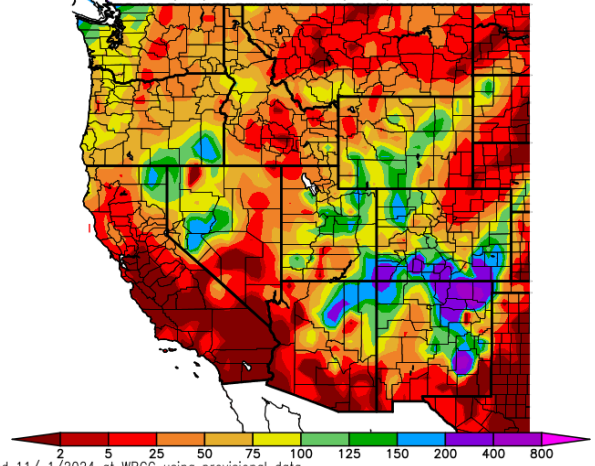
Data are from the National Centers for Environmental Information and are **preliminary**.

Ave. Temperature dep from Ave (deg F)
10/1/2024 - 10/31/2024



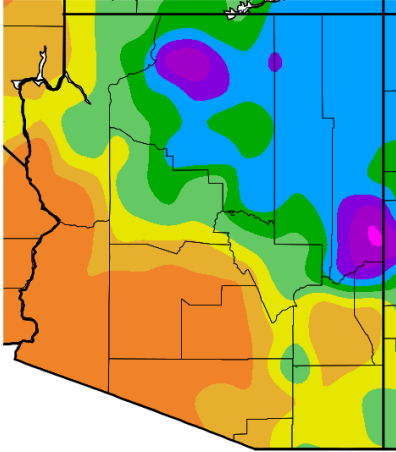
Generated 11/ 1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Percent of Average Precipitation (%)
10/1/2024 - 10/31/2024



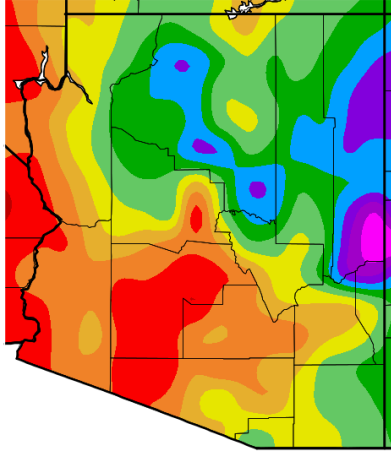
Generated 11/ 1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Max. Temperature (deg. F)
10/1/2024 - 10/31/2024



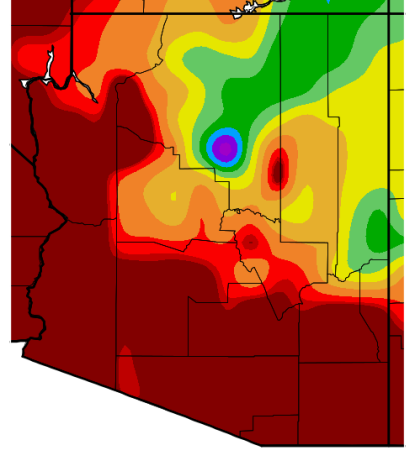
60 65 70 75 80 85 90 95 100 105 110
Generated 11/ 1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Min. Temperature (deg. F)
10/1/2024 - 10/31/2024



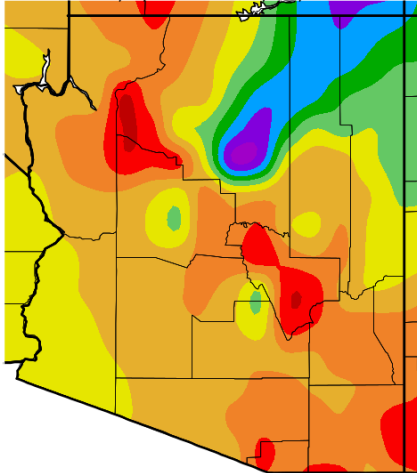
25 30 35 40 45 50 55 60 65 70 75
Generated 11/ 1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Total Precipitation (in.)
10/1/2024 - 10/31/2024



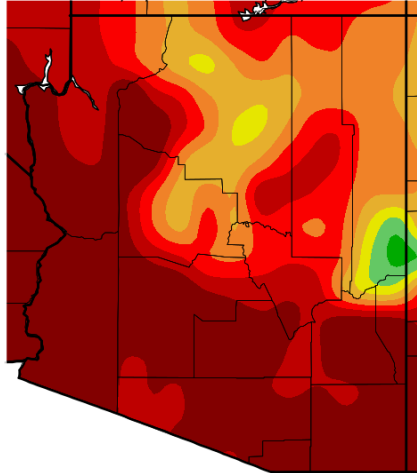
0.1 0.15 0.3 0.6 0.9 1.2 1.5 1.8 2.1 2.4 2.7
Generated 11/ 1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Precipitation Departure from Average (in.)
10/1/2024 - 10/31/2024



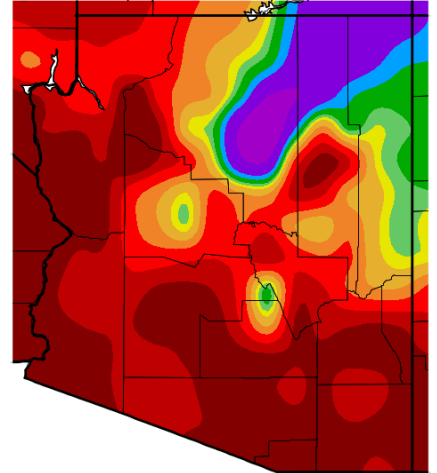
-1.5 -1.2 -0.9 -0.6 -0.3 0 0.3 0.6 0.9 1.2 1.5
Generated 11/ 1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Precipitation # Days > 0.01"
10/1/2024 - 10/31/2024



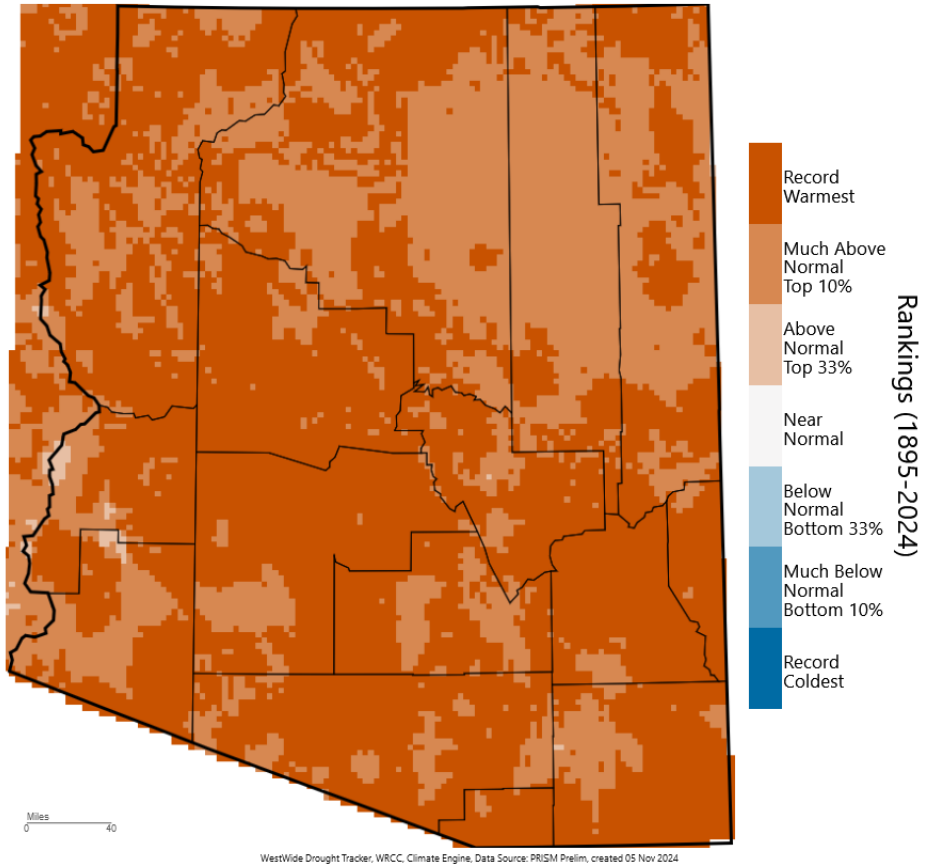
1 2 3 4 5 6 7 8 9 10 11
Generated 11/ 1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Percent of Average Precipitation (%)
10/1/2024 - 10/31/2024



5 25 50 70 90 100 110 130 150 200 300
Generated 11/ 1/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

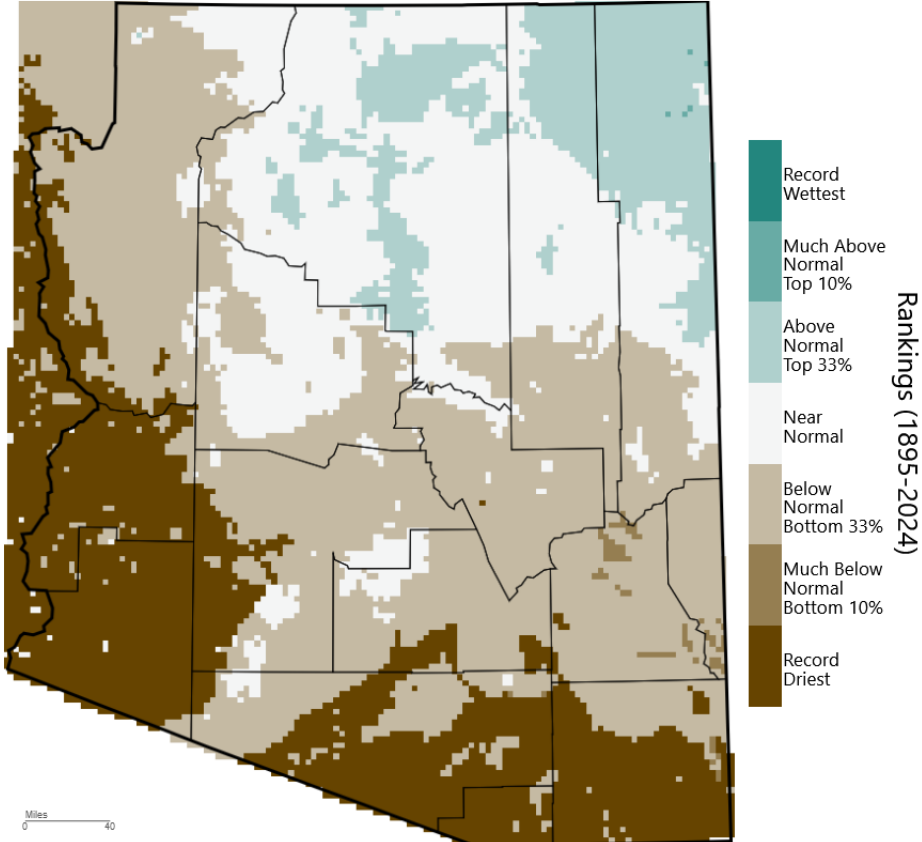
Arizona - Mean Temperature October 2024, Percentile



Temperatures were much above normal across most of the state, with some locations experiencing record-breaking temperatures.

Arizona - Precipitation

October 2024, Percentile

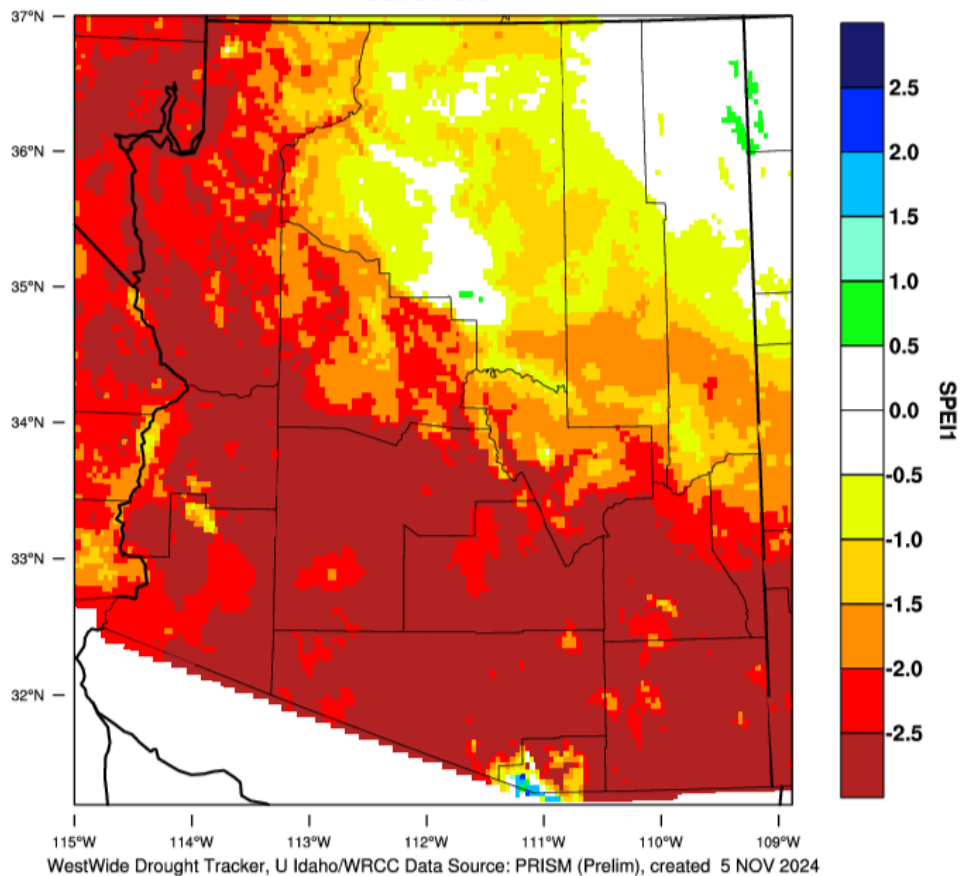


WestWide Drought Tracker: WRCC, Climate Engine, Data Source: PRISM Prelim, created 05 Nov 2024

Precipitation was near normal to above normal in portions of Coconino and northern Navajo and Apache counties, while below normal precipitation was recorded in portions of western, central, southern, and eastern counties.

Arizona - 1 month SPEI

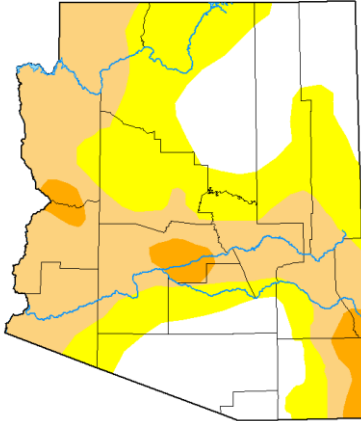
October 2024



This map shows the Standardized Precipitation Evapotranspiration Index (SPEI) across Arizona. October precipitation and evapotranspiration totals are measured across the state and are compared to previous October precipitation and evapotranspiration totals through the period of record (1895-present). Positive values represent wet conditions, while negative values represent dry conditions.

Short-term Drought

U.S. Drought Monitor Arizona



October 1, 2024 (Released Thursday, Oct. 3, 2024) Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	27.62	72.38	39.91	4.61	0.00	0.00
Last Week 09-24-2024	27.62	72.38	39.91	4.61	0.00	0.00
3 Months Ago 07-02-2024	31.87	68.13	18.36	1.92	0.00	0.00
Start of Calendar Year 01-01-2024	5.62	94.38	53.37	33.54	5.75	0.00
Start of Water Year 09-28-2023	8.12	91.88	47.06	22.74	5.34	0.00
One Year Ago 10-03-2023	8.12	91.88	50.83	28.02	6.09	0.00

Intensity

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

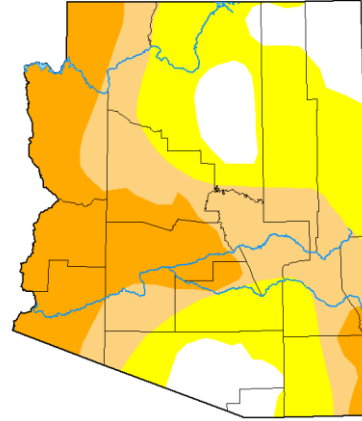
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

U.S. Drought Monitor Arizona



October 29, 2024 (Released Thursday, Oct. 31, 2024) Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	14.47	85.53	52.55	26.89	0.00	0.00
Last Week 10-22-2024	14.49	85.51	52.17	26.89	0.00	0.00
3 Months Ago 07-30-2024	33.69	66.31	18.36	1.92	0.00	0.00
Start of Calendar Year 01-01-2024	5.62	94.38	53.37	33.54	5.75	0.00
Start of Water Year 09-28-2023	27.62	72.38	39.91	4.61	0.00	0.00
One Year Ago 10-31-2023	8.17	91.83	55.78	32.15	6.09	0.00

Intensity

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

Overall, the very hot and mostly dry month advanced Severe (D2) short-term drought largely in western, central, and southeastern counties.

Percent of statewide area change in short-term drought

October 1 to October 30, 2024

Category	Oct 1, 2024	Oct 30, 2024	Change % of state
No Drought	28	14	-14
D0 - Abnormally Dry	32	33	+1
D1 - Moderate Drought	35	26	-9
D2 - Severe Drought	5	27	+22
D3 - Extreme Drought	0	0	0
D4 - Exceptional Drought	0	0	0

Data from U.S. Drought Monitor

@AZStateClimate

Arizona Long-Term Drought

Published November 2024

